

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/10/99  
Date Received: 07/22/99  
Project: Metro Self Monitor, PO# M62302  
Date Samples Extracted: 08/03/99  
Date Extracts Analyzed: 08/05/99

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE  
FOR CHROMIUM, COPPER, NICKEL, ZINC  
USING METHOD 6010**

**Samples Processed Using Method 3005A**  
Results Reported as mg/L (ppm)

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M62302	0.35	0.50	0.58	0.06
Method Blank	<0.05	<0.05	<0.05	<0.05

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Date of Report: 08/10/99

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Project: Metro Self Monitor, PO# M62302

### QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 907093-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.35	0.39	11	0-20
Copper	mg/L (ppm)	0.50	0.52	4	0-20
Nickel	mg/L (ppm)	0.58	0.56	4	0-20
Zinc	mg/L (ppm)	0.06	0.07	15	0-20

Laboratory Code: 907093-01 (Matrix Spike)


Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	0.35	105	92	80-120	13
Copper	mg/L (ppm)	5	0.50	94	81	80-120	15
Nickel	mg/L (ppm)	10	0.58	95	85	80-120	11
Zinc	mg/L (ppm)	5	0.06	103	87	80-120	17

Laboratory Code: Laboratory Control Sample



Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	97	94	80-120	3
Copper	mg/L (ppm)	5	99	94	80-120	5
Nickel	mg/L (ppm)	10	97	92	80-120	5
Zinc	mg/L (ppm)	5	98	95	80-120	3

mm 7.22-99 AI,

## SAMPLE CHAIN OF CUSTODY

SITE NO.		PROJECT NAME		PURCHASE ORDER #	
7238		metro self monitor		M62302	
SAMPLERS (signature)				PROJECT LOCATION	
				3200 6th Ave S.	
REMARKS					
SAMPLE DISPOSAL INFORMATION					
<div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </div> <div> <p>Dispose after 30 days</p> <p>Return Samples</p> <p>Call for Instructions</p> </div> </div>					

[illegible]

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: 	Gerald Thompson	ACU	7/22/99	2:00pm
Received by: 	S. Osborn	Ft B, Inc.	7/22/99	2:12pm
Relinquished by:				
Received by:				

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D.  
Charlene Jensen, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

August 10, 1999

**DUPLICATE COPY**

**INVOICE #99ACU0810-2**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford St.  
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M62302: Results of testing requested  
by Gerry Thompson for material submitted on July 22, 1999.

1 water sample analyzed for  
Chromium, Copper, Nickel, and Zinc  
using Method 6010 @ \$80 per sample

\$ 80.00

Amount Due .....

**\$ 80.00**

FEDERAL TAX ID (b) (6)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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August 10, 1999

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford St.  
Seattle, WA 98134

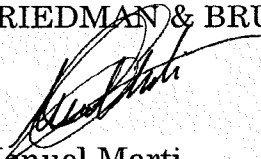
Dear Mr. Thompson:

Included are the results from the testing of material submitted on July 22, 1999 from your Metro Self Monitor, PO# M62302 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Manuel Marti  
Project Manager

Enclosures  
ACU0810R.DOC